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Internship/Inplant training of Diploma students-A knowledge investment for the future.

An internship is a full time or part time period of work experience offered by any industry / organization for a restricted duration. Once confined to medical graduates, the term is now used for a wide range of placements in businesses, non-profit organizations, engineering educational establishments and government agencies. By giving the student a taste of life in his/her chosen field, an internship gives him/her the connections and experience he/she needs to help secure a responsible role to perform. It as well, gives him/her a better idea of what to expect and helps lessen the jolt of entering full-time employment.

Tell me and I forget, teach me and I may remember, Involve me and I learn, said Benjamin Franklin. Taking a cue from this, MSBTE conducted a survey analysis of industry- institute gaps and accordingly observed that the major reasons behind non-employability are skill-gaps and lack of practical knowledge. Both these issues could be addressed with meaningful internships as they provide the students with an opportunity to update their skill-set by deploying them in a real-time environment.

MSBTE in it's recent revision of curricula of technical engineering diploma, introduced mandatory Internship/Inplant training for all students at industries. The said training of 6 weeks has been incorporated at the end of the 4th semester, when a student has been introduced to engineering concepts and theoretical applications through lectures, industrial visits and industry expert lectures. The inplant training has a weightage of 6 credits and 150 marks. It was felt that the student gets a hands-on and real time exposure, can transform his theoretical knowledge into a practical solution, can correlate theoretical concepts with organizational functioning.

The principle aims of the Internship/Inplant training have been to make the diploma students;

- Polish the knowledge acquired through academics
- Gain valuable work experience.
- Explore a career path.
- Develop and refine skills.
- Give oneself an advantage in the job market.
- Network with professionals in the field.
- Gain confidence.
- Be Industry ready for securing a job

For the successful implementation of the scheme, a 100% placement of all the 67934 eligible engineering students from MSBTE curriculum implementing institutes was a formidable and challenging task. The training period was scheduled from 15th April 2019 to 25th June 2019. Hence, MSBTE adopted the principle of working from whole to part in the right earnest and began planning 10 months prior to the actual placement of the students. Accordingly, District level and Regional level Committees were formed with definite roles and responsibilities.

District level committee was headed by a Local hub industry with representatives from DIC, MSEB, BSNL, BOAT/ATI, PWD/B&C/Irrigation, Principal of two institutes, Asst. Secretary RBTE concerned and Principal of Hub institute as Members. The main responsibilities entrusted were;

- To assist institutes in creation of action plan for allocation
- To initiate steps for better Industry Institute liaisoning
- To identify and confirm the quantum of branch wise students to be allocated industries
- To plan & finalize the action plan.

The Regional level committee headed by Chairman of CII committee/ Local Industry association with two representatives from regional industry association, representatives from MSEB, BSNL, BOAT/ATI, PWD / B & C / Irrigation, Principal of all HUB institutes of the region, Deputy Secretary RBTE concerned. The roles & responsibilities were;

- To review adequacy of district committee action plan, guide and support them in the cause
- To plan & finalize the action plan for the purpose of all students in the region
- To provide district wise Industrial training matrix to MSBTE.

With the above committees in place, swift actions began at all levels in the institutions, districts and regions in ensuring placements of all students at industries for internship. All institutes were provided essentially with 'Guidelines & assessment Manual for Micro projects & Industrial training' by MSBTE for effective implementation, monitoring and evaluation of each student undergoing the internship. A customized software for online data and undertaking submission, collection and reporting which also included the industry feedback was prepared at MSBTE. A Mentor for each student in the form of a teacher of an institute was entrusted the monitoring of the student's internship and effective interaction with industry, thus developing the industry institute interaction and bridging the gap between the same.

By the end of March 2019, it was ensured that all students eligible for the Inplant training/Internship were allocated industry. The district wise student internship training statistics are as per table below.

**MOTHER NATURE
LOVES YOU AND
EXPECTS VICE-
VERCE..**

Inside.....

- Success story of Diploma Holders
- Success story of Polytechnic
- Technobuzz
- Innovative Activities

Theme for the Current Issue

"Technological developments - boon or curse for mother nature!"



Success Story of Government Polytechnic, Washim

Government Polytechnic, Washim is one of the oldest Institutes in Amravati region, imparting Diploma education in six important disciplines to rural students. The Institute was established in the year 1982 and spread over more than 52 acres of land. The institute was catering the need of technical education to students of Akola and Washim districts till the establishment of Government Polytechnic in Murtizapur, for Akola District in 2009. The Institute has organized various activities for the overall development and contributed positively towards the welfare of students and thereby society under the dynamic and vibrant leadership of Dr. V. R. Mankar who joined the institute as Principal through MPSC on 21-07-2018.

A brief report of attainment in several areas is summarized as below.

- **MSBTE State Level Technical Paper Presentation Competition:** The competition was organized for the students of diploma course in Mechanical Engineering. The program was inaugurated by Dr. D. V. Jadhav, hon'ble Joint Director, Amravati region. Dr. V. R. Mankar, Principal presided over the function, Mr. K.P. Joshi, HOD Mechanical Department, Dr. D. K. Gupta, HOD Civil shared the dais at the function organized. Students of N.I.T, Nagpur won the first prize, Students of G. P. Khangaon stood second and students of G. P. Washim stood third respectively.
- **Static Career fare:** District level MSBTE static career fare was organized in the institute on 14-06-2018. Mr. Pramod Mandade, Superintendent Engineer (Irrigation) and Mr. Shivaji Jadhav, Executive Engineer (Irrigation) were the chief guests. Dr. V. J. Dongre, the then In-charge Principal presided over the function. Mr. N. S. Vidyasagar, incharge HOD Civil, coordinated the program. Mr Honage, Mr. Chumbalkar, Alumni of the institute and entrepreneurs shared the dias and guided the prospective students.
- **Execution of Municipal Corporation Water Supply Scheme and Safe Drinking Water for students:** New Municipal Corporation waterline is laid down and charged this year with the help of grant of Rs. 33 lakh received from State Government. Thus, water scarcity problem is permanently resolved.
- **Re-establishment of College Canteen:** Canteen of the Institution was not functioning due to some technical and administrative reasons. Positive efforts were taken by the Institute for extending the College Canteen facility to the students and staff.
- **Tree Plantation and Nurturing Program with Tree Guards:** Nearly 100 saplings of different varieties were planted within the campus of Institute. They were adopted by students of various disciplines for caring throughout the year. Thus majority of trees are beautifully grown. The garden in front of the academic building is creatively developed which beautifies the institute campus.
- **Maintenance of Hostels:** Minor repairs and maintenance of both hostels building is carried out. The administrative process for Girls hostel Mess facility is in progress.
- **Technical Education Awareness Drive:** Special drive for technical education awareness was carried throughout the year. Guidance programs were organized in more than 25 high schools in Washim Districts in the month of December 2018 which benefited more than 3000 students in rural area. Information leaflets were distributed. This resulted in improvements of admission form registration.
- **High School Teachers meet:** One day Technical Education Awareness meet was organized in the institute on 2-2-2019 for teachers of various high schools in Washim district. Mr. Narawade, Chairman, High School Headmaster Association was the chief guest. Principal Dr. V. R. Mankar presided over the function. Dr. V. J. Dongre, HOD Electronics explained importance of diploma education, rules, and procedures using PPT. After guidance, Campus tour and Laboratory visit were organized to showcase various facilities available in the institute. This created positive attitude in the mindset of the teachers. Also Dr. D. V. Jadhav, honorable Joint Director, Amravati Region was invited as chief guest in a meeting of Headmasters of High schools in Washim district, which was presided by district Education officer, Mr. Narale. On this occasion, Dr. D. V. Jadhav elaborated the importance of technical education and appealed to disseminate the information about polytechnics among their students.
- **Gymkhana, Curricular and Co-Curricular Activities:** Various students centered activities were conducted by Students Gymkhana of the Institute which mainly includes:

- **Celebration of Teachers' Day:** Birth Anniversary of Dr. Sarvapalli Radhakrishnan was celebrated as Teachers day by students. Students felicitated the faculty and staff of the Institute in various functions held at departmental level and faculty shared their experiences and thoughts.
- **Celebration of Engineers Day:** On the occasion of Engineers' Day, meritorious students of all branches and all years of past academic year were felicitated. This year, Chief Guest of the function was Dr. Pratapsingh K. Desai, hon'ble President, ISTE, New Delhi. He enthusiastically motivated the students on this occasion.
- **IEDSSA Sports :** As a part of IEDSSA sports, Institute has organized Badminton event for I zone on 15-01-2019. The event was coordinated by Mr. Umesh Nage, Lecturer in Physics. G. P. Amravati emerged as the winner. G. P. Washim stood runners in the event. Students have participated in almost all events under the banner of IEDSSA and won prizes in Badminton, Kho-Kho and Kabaddi. Students of IEDSSA Zonal teams have participated in Inter zonal Students sports meet held at different places in Maharashtra.
- **Sports Ground Development :** The institute has received the grant of Rs. 7 lakh from department of Sports, for development of Khokho, kabaddi, Volleyball ground and running track in the institute. The civil work is in progress.
- **Regional Staff Sports Overall Championship :** Various teaching and nonteaching staff participated in all events of Regional Staff Sports meet held at Amravati. The institute won four of the five events organized in the meet and thus emerged as overall champion of the region.
- **Women Self-Defense and Welfare Programme :** One day programme on self-defense and women welfare for girl students was organized by Women development cell of the Institute. Police Inspector Mrs. Bharadwaj was the chief guest on the occasion. She gave important tips on self-defense and shared her valuable experiences and thoughts.
- **Annual Social Gathering :** Annual Social gathering was held on 03-01-2019. Large number of students participated in various cultural activities like Drama, Act and Dance, Singing, Exhibition, and exhibited their talent & personal skills.
- **Mahatma Gandhi 150th anniversary celebrations:** Various activities are organized in the institute throughout the year as per schedule given by the Government. Students participated in various activities like Poster competition, Essay competition, Cleanliness drive. Guidance by veteran Gandhian follower Mr. Haribhau Kshirsagar was organized, which was attended by large gathering of students and staff.
- **Alumni meet:** Alumni meet was held on 13-02-2019 in the Institute. Nearly fifty Alumna's from various discipline were present on this occasion.
- **Entrepreneurship Development Programme:** 90 students from final year of various disciplines attended three day Entrepreneurship Development Programme organizes by the institute in collaboration with MCED. The students were made aware about the concept of Entrepreneurship and its benefits. The program was coordinated by Mr. Umesh Toshniwal, Lecturer in Mechanical department.
- **Campus Cleaning Drive:** Clean Campus drive is initiated occasionally all over the year for overall cleaning of institute. Students, faculty and staff of the Institute have actively participated in this activity for cleaning of campus. NSS team was instrumental in this drive in the leadership of the Principal Dr. V. R. Mankar and NSS Coordinator Mr. R. G. Bilolikar, Lecturer in English.
- **Blood Donation Camp:** Blood donation camp is organized in this institute in Collaboration with Irrigation Department, Washim annually. This year students and staff voluntarily donated blood in a big way. 143 blood bottles were collected on this occasion.
- **Village adopted for Cleanliness Hygiene and Social Awareness:** NSS unit of the institute has adopted Jambharun village for carrying out various activities for upliftment of the villagers. Cleanliness drive was undertaken, social awareness rally was organized. Villagers were made aware of various Government schemes, Digital India initiative, and importance of hygiene.
- **Community Development through Polytechnic (CDTP):** Various Short term trainings are provided in interior villages of the district for skill improvement of youth and women. 623 students are



trained this year in various trades like Electrician, Motorcycle Mechanic, Tailoring, Embroidery, and Computer Technology to empower rural youth for self-employment.

- **Wi-fi Campus:** LAN facility is installed in various laboratories of all departments. Wi-fi hotspots are activated in 6 places and is under expansion.

- **CCTV surveillance:** In order to improve security, CCTV surveillance system is installed in the institute at various key points, which covers academic area, exam area, library and workshop. Expansion work is in progress

The Principal, Heads of the departments, faculty and staff have been working hard for achieving higher peaks of excellence and overall development of the Institute. The institute is applying for NBA accreditation very soon. The institute is confident to reach greater heights in the years to come.



Govt. Polytechnic Washim Academic Building



Inauguration of Paper presentation competition



Blood donation camp



Student's guidance in school Connect Drive



Engineers Day celebration



Regional staff sports champion



Annual social gathering



Annual social gathering



Cleanliness drive in Campus



Women Empowerment Program